

## **AMENDMENTS TO THE CLAIMS:**

Please cancel claims 1 to 11 and add the following new claims 12 to 20:

Claims 1 to 11. (canceled)

12. (new) A glass ceramic for a gas discharge or a halogen lamp, said glass ceramic being essentially free of alkali and having a composition, in wt. % based on oxide content of:

SiO <sub>2</sub>	35 – 70
Al <sub>2</sub> O <sub>3</sub>	14 – 40
MgO	0 - 20
ZnO	0 - 15
TiO <sub>2</sub>	0 - 10
ZrO <sub>2</sub>	0 - 10
Ta <sub>2</sub> O <sub>5</sub>	0 - 8
BaO	0 - 10
CaO	0 - <8
SrO	0 - 5
B <sub>2</sub> O <sub>3</sub>	0 - 10
P <sub>2</sub> O <sub>5</sub>	0 - <4
at least one fining agent	0 - 4,

wherein said at least one fining agent is selected from the group consisting of

SnO<sub>2</sub>, CeO<sub>2</sub>, SO<sub>4</sub><sup>-</sup>, Cl, As<sub>2</sub>O<sub>3</sub> and Sb<sub>2</sub>O<sub>3</sub>.

13. (new) A glass ceramic for a gas discharge or a halogen lamp, said glass ceramic being essentially free of alkali and having a composition, in wt. % based on oxide content of:

SiO <sub>2</sub>	35 - 60
Al <sub>2</sub> O <sub>3</sub>	16.5 - 40
MgO	6 - 20
ZnO	0 - 4
TiO <sub>2</sub>	1 - 10
ZrO <sub>2</sub>	1 - 10
Ta <sub>2</sub> O <sub>5</sub>	0 - 2
BaO	0 - 8
CaO	0 - 5
SrO	0 - 4
B <sub>2</sub> O <sub>3</sub>	>4 - 10
P <sub>2</sub> O <sub>5</sub>	0 - <4
at least one fining agent	0 - 4,

wherein said at least one fining agent is selected from the group consisting of SnO<sub>2</sub>, CeO<sub>2</sub>, SO<sub>4</sub><sup>-</sup>, Cl, As<sub>2</sub>O<sub>3</sub> and Sb<sub>2</sub>O<sub>3</sub>.

14. (new) The glass ceramic according to claim 12, containing from 0 to 0.1 wt. % of said CaO.

15. (new) A lamp comprising the glass ceramic according to claim 12.
16. (new) The lamp according to claim 15, wherein the lamp is a discharge lamp.
17. (new) A flat screen comprising a minimized tube made from the glass ceramic according to claim 12.
18. (new) A high pressure metal halide lamp having an outside bulb made from the glass ceramic according to claim 12.
19. (new) The high pressure metal halide lamp according to claim 18, comprising an aluminum oxide ceramic burner or a silica glass burner.
20. (new) A method of making a lamp comprising the step of forming a tube from a glass ceramic that is essentially free of alkali and has a composition, in wt. % based on oxide content of:

$\text{SiO}_2$	35 - 70
$\text{Al}_2\text{O}_3$	14 - 40
$\text{MgO}$	0 - 20
$\text{ZnO}$	0 - 15
$\text{TiO}_2$	0 - 10
$\text{ZrO}_2$	0 - 10

Ta <sub>2</sub> O <sub>5</sub>	0 - 8
BaO	0 - 10
CaO	0 - <8
SrO	0 - 5
B <sub>2</sub> O <sub>3</sub>	0 - 10
P <sub>2</sub> O <sub>5</sub>	0 - <4
at least one fining agent	0 - 4,

wherein said at least one fining agent is selected from the group consisting of SnO<sub>2</sub>, CeO<sub>2</sub>, SO<sub>4</sub><sup>-</sup>, Cl, As<sub>2</sub>O<sub>3</sub> and Sb<sub>2</sub>O<sub>3</sub>.